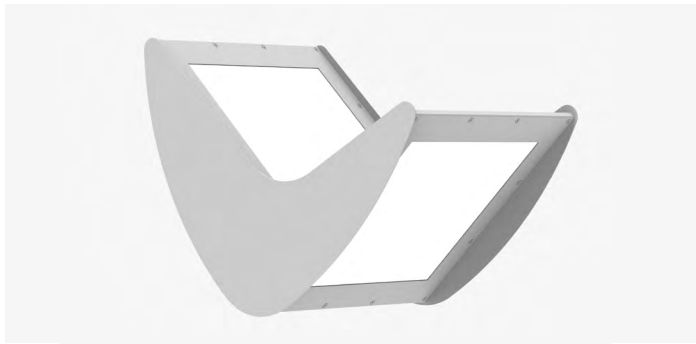


NATA NATADI

LED . INDIRECT/DIRECT



PART #:	
PREP BY:	DATE:
PROJECT:	
NOTES:	
APPROVAL SIGNATURE:	DATE (DD/MM/YYYY):

PERFORMANCE SUMMARY at 4000K	LIGHT LEVEL L1
Lumens	15611
Wattage	128
Efficacy	122
Color Rendering (CRI) ¹	80+
L70 Estimate (h)	> 60,000 hrs

¹ For CRI 90, please refer to Lumen Adjustment Factor chart below.

FEATURES

- Efficacy up to 122 LPW
- 80+ CRI is standard with option of 90 CRI
- Direct / Indirect distribution

ORDERING STEPS:	1. Complete ORDERING LOGIC.	2. Complete MOUNTING KITS on page 2.
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1. ORDERING LOGIC

Example Part Number: NATADI-22L40K-NCM-NW-L2UD-1-R-90-RKI

QTY	NATA DI Series	1	2	3	NC	M	4	5	6	7	8	9	10	11	12
1. MODEL / SIZE		2. COLOR TEMP		3. OPTICS UP		4. OPTICS DOWN		5. FINISH			6. LIGHT LEVEL				
DI Direct/Indirect		22L30K 3000K 22L35K 3500K 22L40K 4000K		NC Nata Clear Lens		M Meta Ice		NW Natatorium White NC Natatorium Custom Specify RAL:			L1 L2 L3 See "Light Level Performance at 4000K" chart below				
		90 CRI is available under OPTIONS				Meta Ice: High output semi-diffuse lens									
7. CIRCUITRY		8. MOUNTING		9. VOLTAGE		10. CONTROLS		11. DRIVER LOCATION		12. OPTIONS					
1 1 Circuit UD Up / Down Switching		Select Mounting Kit in STEP 2.		1 120 V 2 277 V 3 347 V 4 UNV(120 - 277V)		— None (leave space empty)		I Integral R Remote ¹		90 90 CRI, High R9 RK Retrofit Kit* (Not UL approved) RKI Retrofit Kit Inverse Mount (75D / 25U) (Not UL approved) - None (leave space empty)					
								1. Not available with Quad Pendant Mounting		* Fixture includes mounting bracket to adapt NATADI to existing AW7 arms. See pages 4-7 for more info.					

Light Level Performance at 4000K

Light Level	NATADI		
	Lumens	Wattage	Efficacy (lm/W)
L1	15611	128	122
L2	26843	236	114
L3	40304	407	100

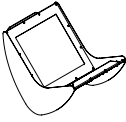
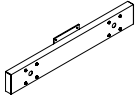
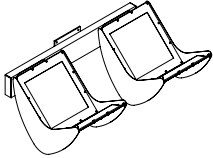
Lumen Adjustment Factor

Color Temp	80 CRI	90 CRI
3000K	0.953	0.846
3500K	0.969	0.848
4000K	1.000	0.852

2. MOUNTING KITS

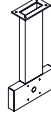
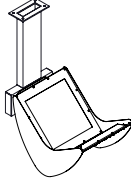
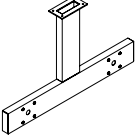
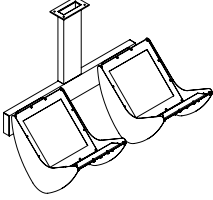
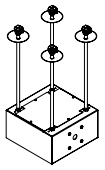
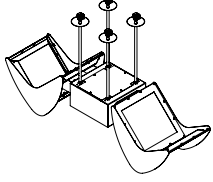
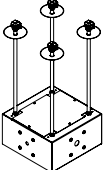
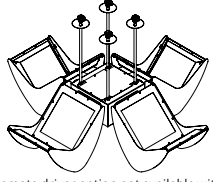
Wall Mount

	NATASW-I	
QTY	Single Wall (Integral Driver)	FINISH*
	NATASW-R	
QTY	Single Wall (Remote Driver)	FINISH*
	NATADW-I	
QTY	Double Wall (Integral Driver)	FINISH*
	NATADW-R	
QTY	Double Wall (Remote Driver)	FINISH*

Code	Mounting Kit	NATADI
SW Single Wall	Single wall mount included. Specify appropriate mounting kit for all other applications (Driver location is selected in Ordering Logic on page 1)	
DW Double Wall		

Pendant Mount

	NATASA-I		
QTY	Single Arm (Integral Driver)	Indicate arm length (max 5ft**)	FINISH*
	NATASA-R		
QTY	Single Arm (Remote Driver)	Indicate arm length (max 5ft**)	FINISH*
	NATADA-I		
QTY	Double Arm (Integral Driver)	Indicate arm length (max 5ft**)	FINISH*
	NATADA-R		
QTY	Double Arm (Remote Driver)	Indicate arm length (max 5ft**)	FINISH*
	NATADP-I		
QTY	Double Pendant (Integral Driver)	Indicate hanger length (max 5ft**)	FINISH*
	NATADP-R		
QTY	Double Pendant (Remote Driver)	Indicate hanger length (max 5ft**)	FINISH*
	NATAQP-I		
QTY	Quad Pendant (Integral Driver)	Indicate hanger length (max 5ft**)	FINISH*
	NATAQP-R		
QTY	Quad Pendant (Remote Driver)	Indicate hanger length (max 5ft**)	FINISH*

SA Single Arm Pendant		
DA Double Arm Pendant		
DP Double Pendant		
QP Quad Pendant		 Remote driver option not available with Quad Pendant NATADI.

* FINISH

NW Natatorium White
NC Natatorium Custom Specify RAL# _____

** Maximum length from ceiling surface to top of fixture. Custom lengths available upon request.

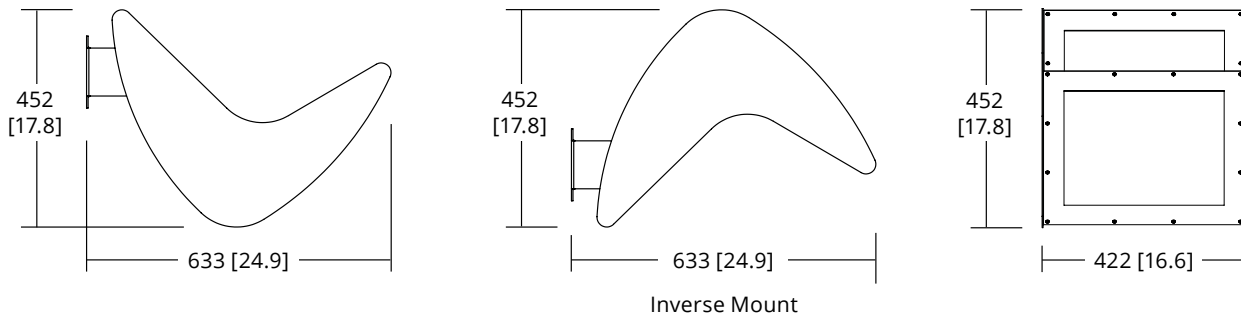
WIRING

Remote Driver Mounting Maximum Wire Length

Consult approval drawings for maximum remote mounting distances

Light Level	Drive Current (mA)	Wattage	Distance in feet / Wire Gauge					
			12 Ga.	14 Ga.	16 Ga.	18 Ga.	20 Ga.	22 Ga.
L1	2500	128.6	121	76	48	30	19	6
L2	4400	242	69	43	27	17	11	3
L3	3600/3600	394	84	53	33	21	13	4

CROSS SECTIONS



SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: Fixture body is constructed using aluminum sheet, with 1.63mm (14 gauge aluminum sheet metal) nominal wall thickness.

Optical System: High flux, high efficacy, LED technology in conjunction with high efficiency reflectors and high transmittance lenses create controlled asymmetric distribution with comfortable low-glare illumination.

CRI: 80 minimum for all CCTs in standard configurations.

Lumen Maintenance: Reported L70 > 60,000 hrs at an ambient operating temperature of 35°C.

Finish: White paint with a coating suitable for natatoriums is standard. Custom natatorium finish also available.

Weight: See chart below.

Mounting: Standard hanger lengths are 2, 3, 4 and 5 ft. Consult factory for custom lengths. Pendant mounting is available with hangers in four options:

- single arm pendant
 - double arm pendant
 - double pendant mount
 - quad pendant mount
- Wall mounting is available in two options:

- single wall mount
 - double wall mount
- Electrical:** 120 V or 277 V/347 V prewired. Standard drivers feature electronic universal voltage (120-277V, 347 V/50-60 Hz), greater than 0.9

power factor, less than 20% harmonic distortion, and ambient temperature range of 35°C (95°F) to minimum starting temp of -40°C (-40°F). Max amp draw @120V is 2.03Amps, @277V is 0.88Amps, @347V is 0.7Amps.

Approvals: This product is cULus listed. This product is not cULus listed when retrofitted.

Environment: Suitable for wet locations. IP65 rated.

NATADI WEIGHTS

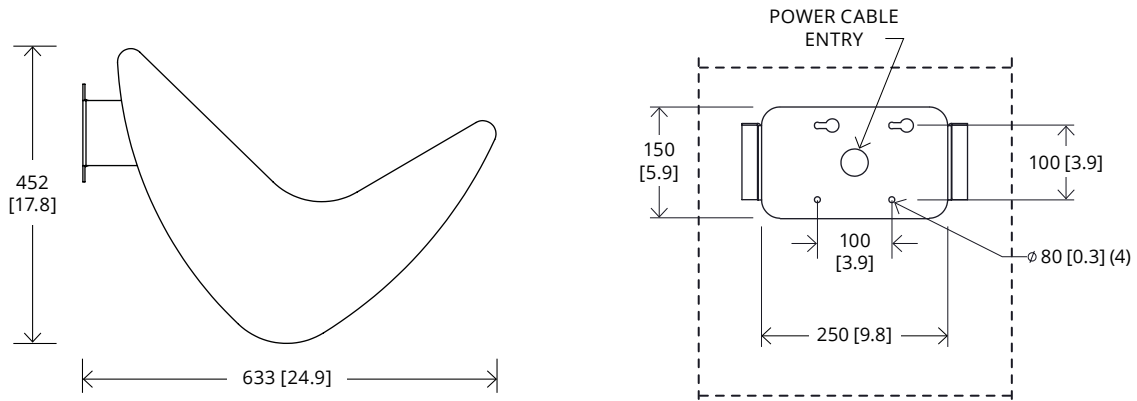
Fixture Type	Integral Fixture	Remote Fixture	Weight of brackets / hangers
Single Wall	10 kg [22.2lbs]	7.5 kg [16.5 lbs] (stand alone weight)	
Double Wall	24.8 kg [54.6 lbs]	19.8 kg [43.6 lbs]	4.8 kg [10.5 lbs]
Single Arm (max length 5 ft)	16.8 kg [36.9 lbs]	14.3 kg [31.4 lbs]	6.75 kg [14.9 lbs]
Double Arm (max length 5 ft)	29.3 kg [64.7 lbs]	24.3 kg [53.7 lbs]	9.3 kg [20.6 lbs]
Double Pendant (max length 5 ft)	30.2 kg [66.5 lbs]	25.2 kg [55.4 lbs]	10.2 kg [22.4 lbs]
Quad Pendant (max length 5 ft)	50.5 kg [111.3 lbs]	40.5 kg [89.2 lbs]	10.5 kg [23.1 lbs]

WARRANTY

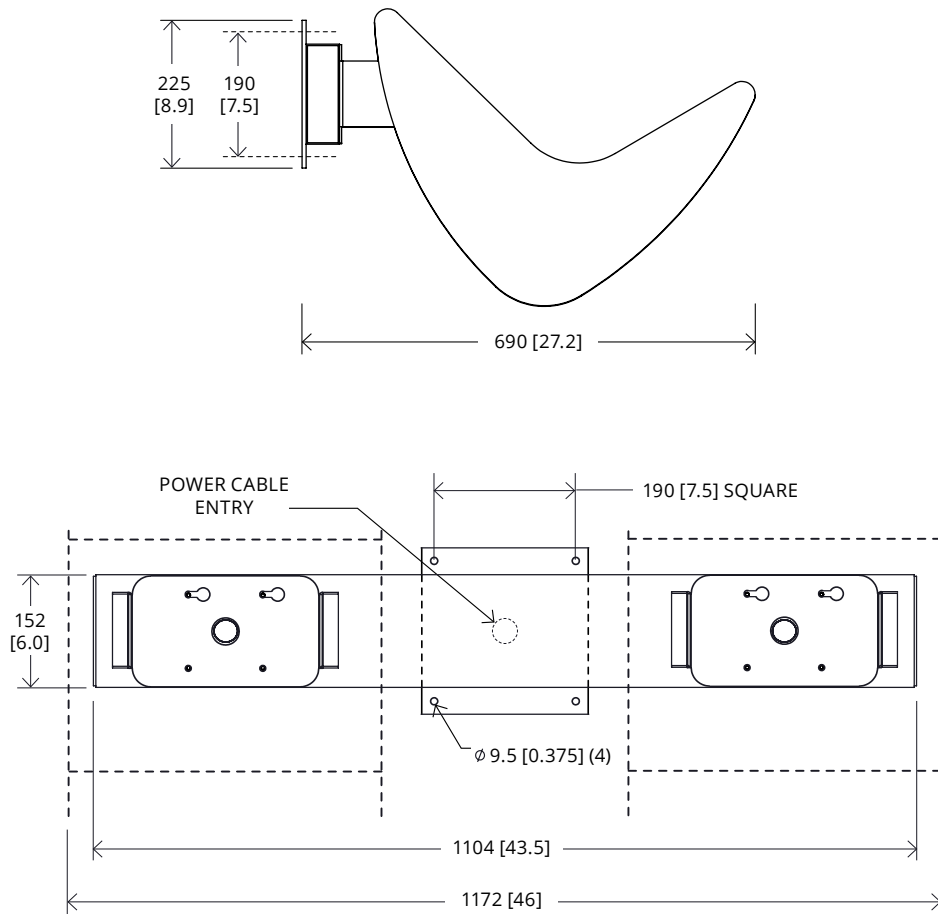
Metalumen will warrant defective luminaires for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specification. If defective, Metalumen will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

MOUNTING ARRANGEMENTS - WALL 

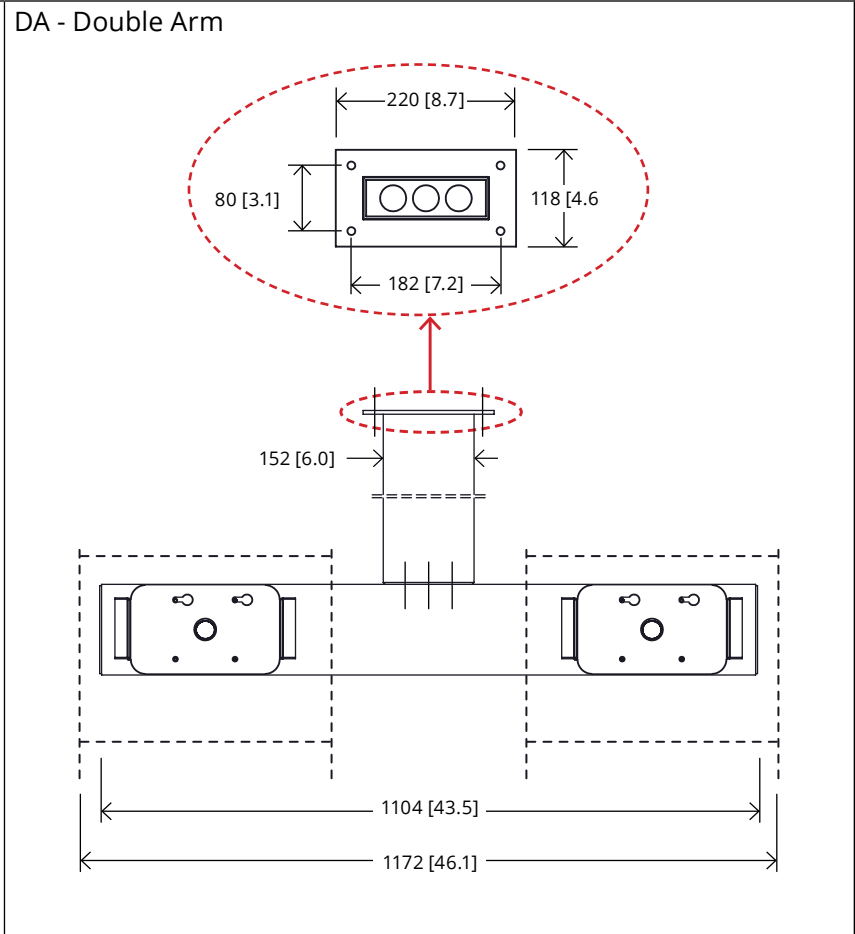
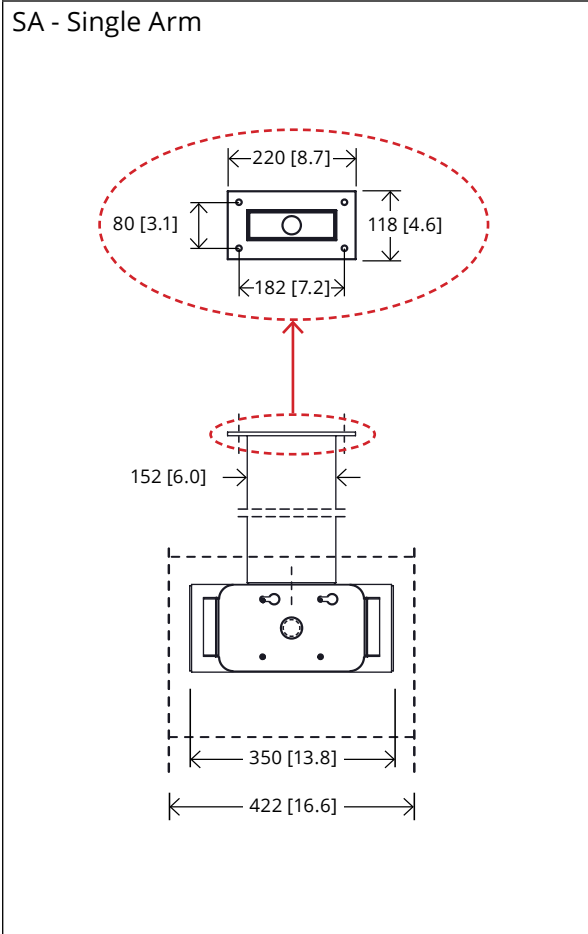
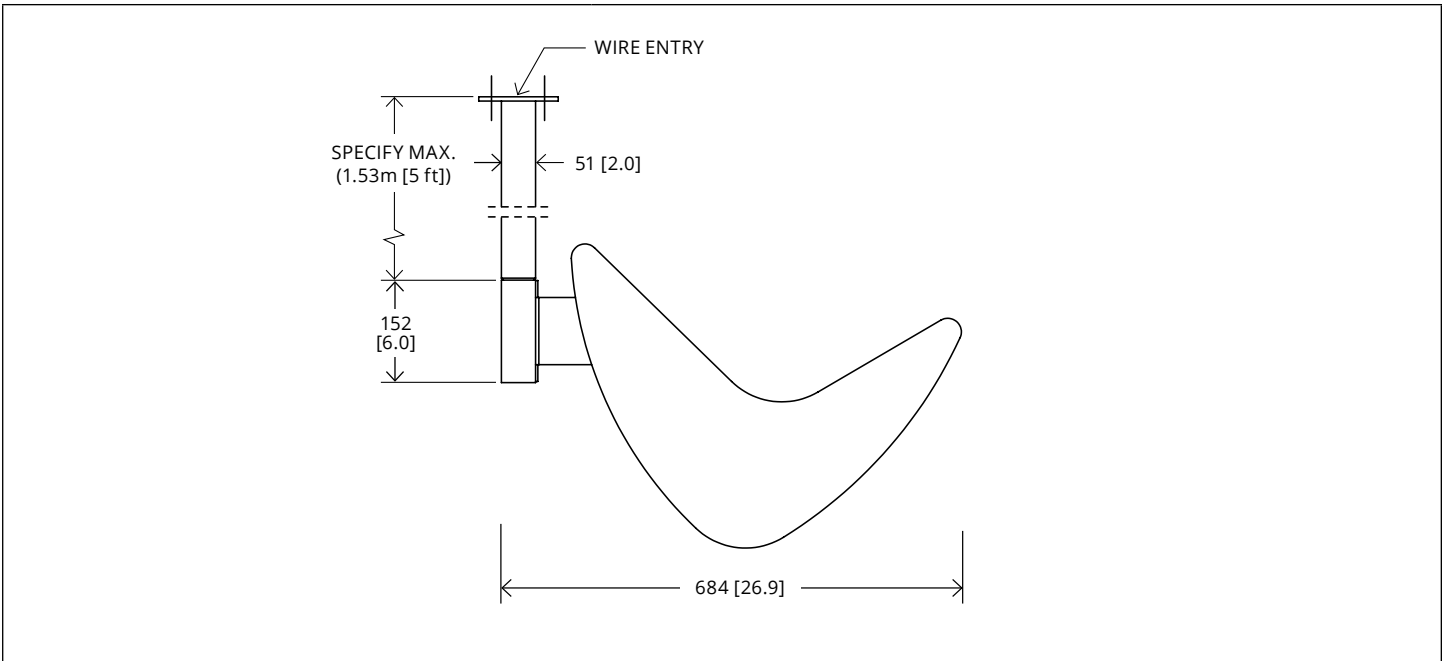
SW - Single Wall



DW - Double Wall

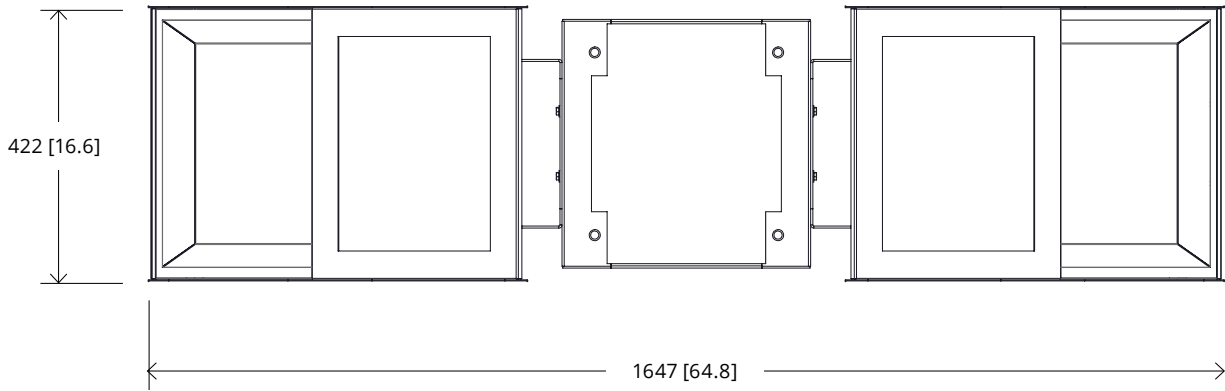
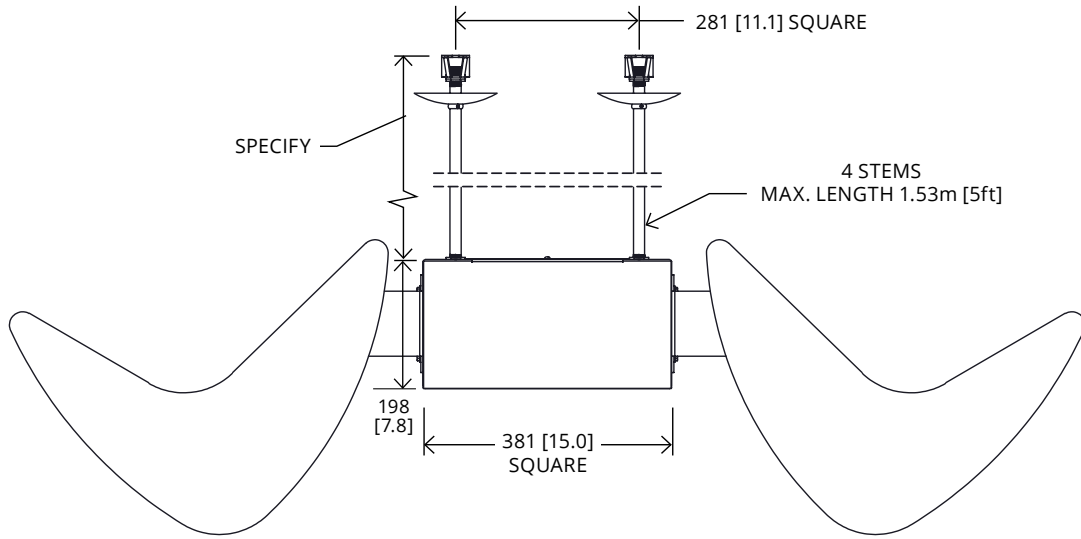


MOUNTING ARRANGEMENTS - PENDANT ARM



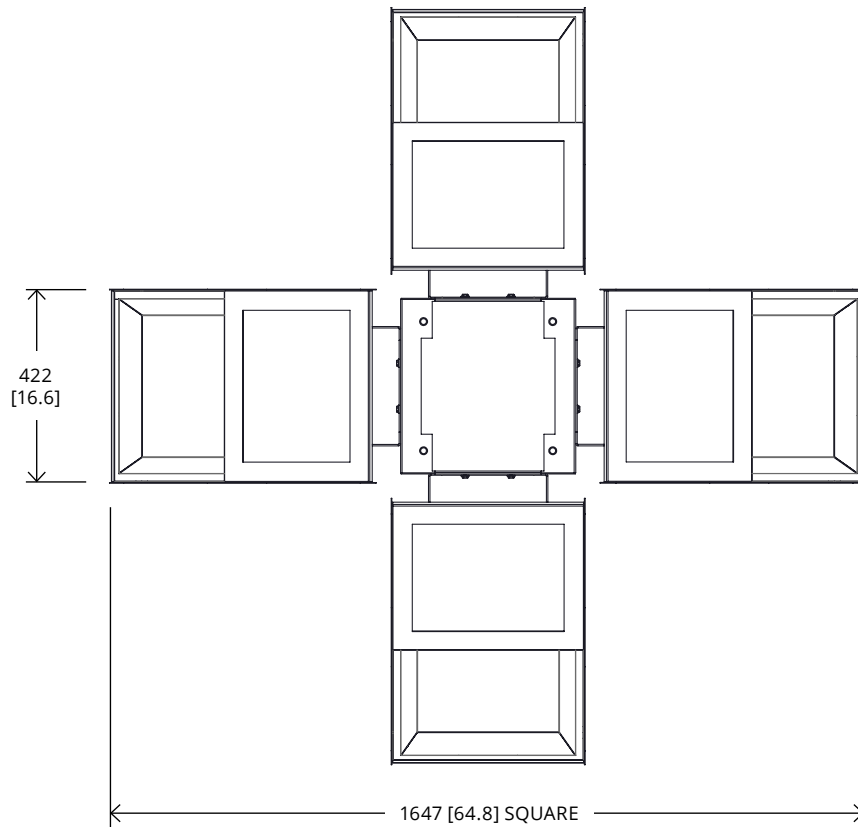
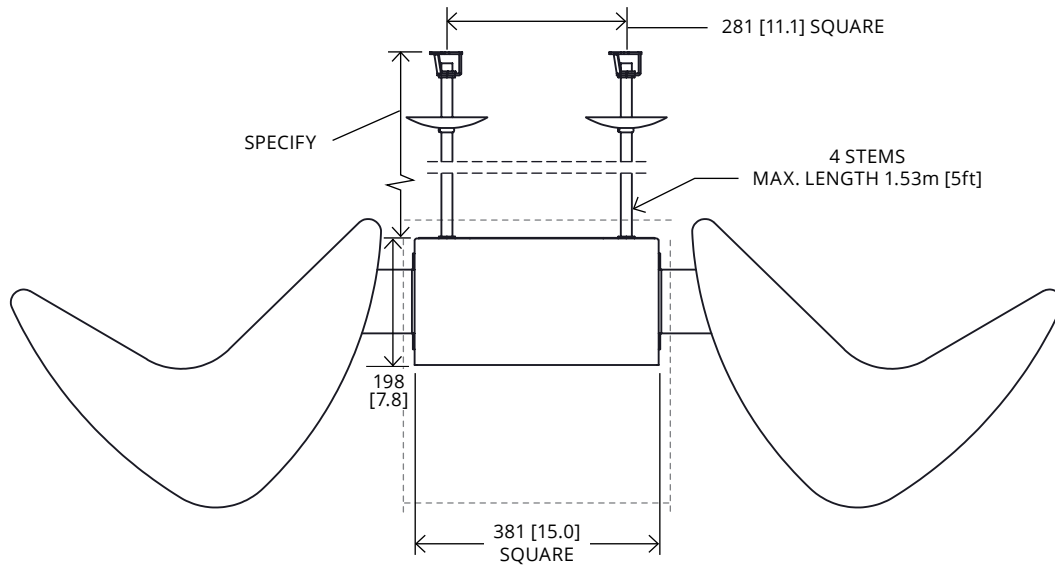
MOUNTING ARRANGEMENTS - PENDANT

DP - Double Pendant

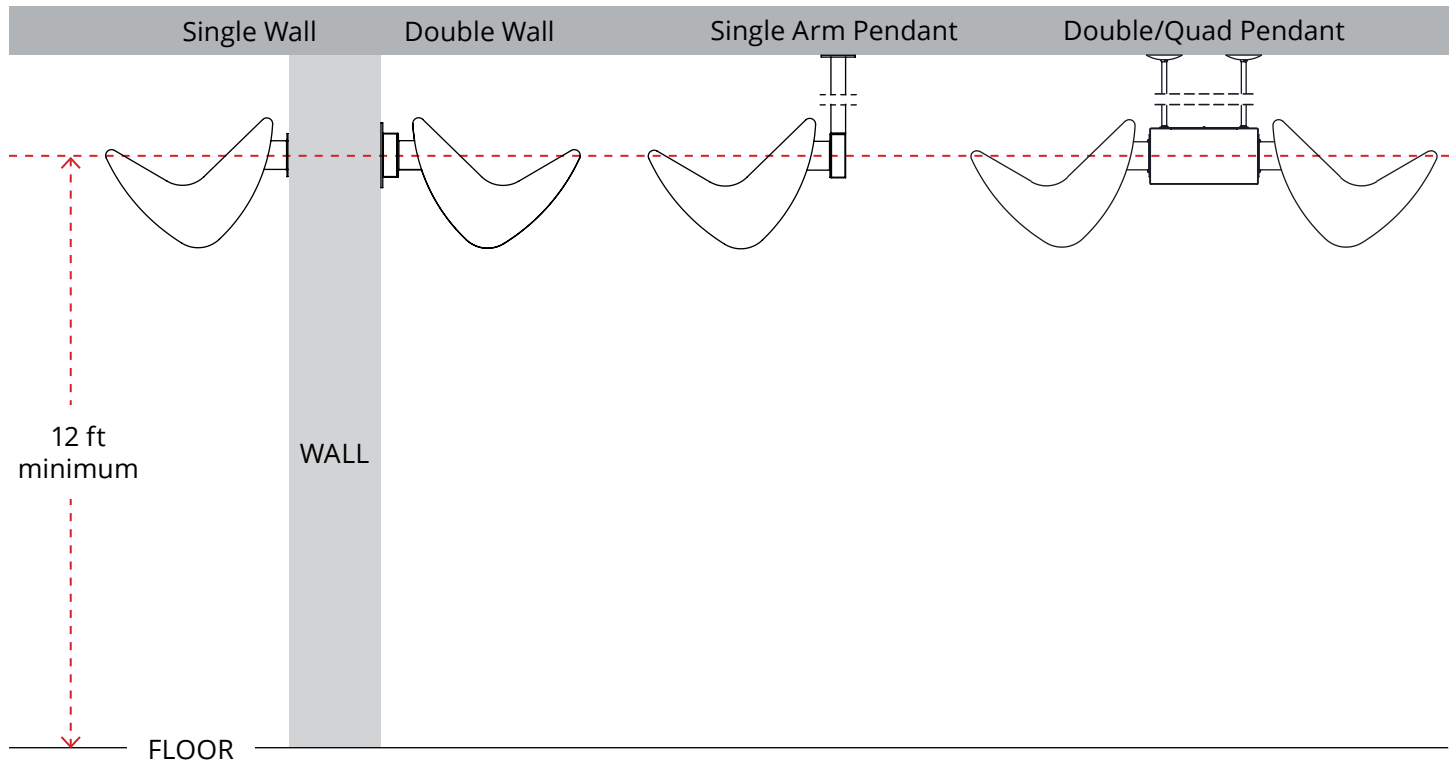


MOUNTING ARRANGEMENTS - PENDANT

QP - Quad Pendant



MOUNTING - MINIMUM DISTANCE FROM FLOOR



PHOTOMETRIC DATA - 4000K, CRI 80

Optics Up: **Nata Clear Lens**
 Optics Down: **Meta Ice**
 IES File: **NATADI-22L40K-NCM-L1**
 Lumens: **15611** Wattage: **128**
 Efficacy: **122 LPW**

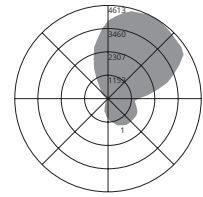
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	4101	26.2
90-180	11524	73.8
0-180	15625	100

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle		
	0	45	90
45	5001	3172	1578
55	5287	3043	1136
65	5682	2918	753
75	5785	2953	355
85	6285	3747	109

PHOTOMETRIC CURVE
 74% Up
 26% Down



Optics Up: **Nata Clear Lens**
 Optics Down: **Meta Ice**
 IES File: **NATADI-22L40K-NCM-L2**
 Lumens: **26843** Wattage: **236**
 Efficacy: **114 LPW**

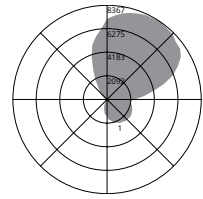
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	6462	24
90-180	20407	76
0-180	26869	100

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle		
	0	45	90
45	7926	4964	2531
55	8384	4768	1793
65	8739	4544	1215
75	9160	4667	604
85	9891	6021	219

PHOTOMETRIC CURVE
 76% Up
 24% Down



Optics Up: **Nata Clear Lens**
 Optics Down: **Meta Ice**
 IES File: **NATADI-22L40K-NCM-L1-RKI**
 Lumens: **15605** Wattage: **127.8**
 Efficacy: **122 LPW**

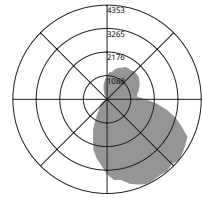
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	11326	72.6
90-180	4279	27.4
0-180	15605	100

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle		
	0	45	90
45	13177	8810	5234
55	13915	8025	3956
65	14474	7541	2707
75	13076	6404	1422
85	10854	5221	469

PHOTOMETRIC CURVE
 27% Up
 73% Down



Optics Up: **Nata Clear Lens**
 Optics Down: **Meta Ice**
 IES File: **NATADI-22L40K-NCM-L2-RKI**
 Lumens: **26854** Wattage: **235.9**
 Efficacy: **114 LPW**

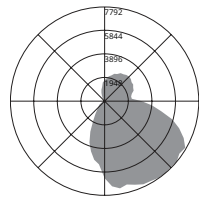
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	20069	74.7
90-180	6784	25.3
0-180	26854	100

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle		
	0	45	90
45	24019	15678	9198
55	24615	14069	6975
65	25473	13316	4723
75	23155	11221	2497
85	18648	9012	829

PHOTOMETRIC CURVE
 25% Up
 75% Down



Photometric performance is measured and scaled in accordance with IESNA LM-79.